**Reliability factor** is a mathematically calculated approximation of the probability of finding at least one exception in a sample of selected items at a given reliability level and error rate. Reliability factors are used to determine sample sizes and precision adjustment factors. They are common references for audit sampling purposes. See appendixes C and D.

**Sample, sample items** or **sample population** is the group of items selected, using a sampling method, from a larger general population.

**Sample interval** is the constant measured interval between items selected for a sample. This interval can be every nth item, e.g., every 10th item. Intervals can also be a set distance or position between items or the terminal digits of population items.

**Sample plan** is an process of setting objectives for the sample, selecting the population to be a simpled, designing and selecting the sample, and evaluating and interpreting sample results.

**Sampling risk** is the nuk that the sample is not representative of the entire population. Sampling risk is letermined by a formula — 1 minus the reliability level as a decimal. For example, with 90 percent reliability, the sampling risk is 10 percent (1 .9c = .10). This means that 10 percent of the time, or one time in ten, the results of the sample may not be indicative of the entire portfolio.

**Statistical assurance**, a product of precision and reliability, is the measure of reliance an examiner places on inference drawn using the sample. It is commonly expressed in a probability statement.

**Statistical or sample projection** uses probability theory to apply sample results to the entire population sampled and devel ds on a random selection process. To understand probability theory, examiners must understand reliability and precision, as well as their interrelations up.